Under Secretary of Commerce For Intellectual Property and

Director of the United States Patent and Trademark Office



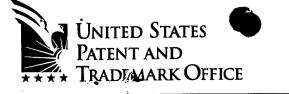


MAR 0 4 2002

#### STATUS DB-LA

Washington, DC 20231

www.uspto.gov



FEBRUARY 22, 2002

BLAKELY, SOKOLOFF, TAYLOR & ERIC T. KING 12400 WILSHIRE BOULEVARD 7TH FLOOR LOS ANGELES, CA 90025

PTAS ZAFMAN LLP

BLAKELY, SCHOLDEF, TANKOR & ZAFMAN LES ANGELES

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/31/2001

REEL/FRAME: 012411/0071

NUMBER OF PAGES: 3

ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS). BRIEF:

ASSIGNOR:

PRABHU, RAGHAVENDRA S.

DOC DATE: 11/16/2001

**ASSIGNOR:** 

STRAUSS, ADAM

ASSIGNOR:

✓HSIEH, STAN

ASSIGNOR:

√ZHU, ZHEN

2 2002

BLAKELY SOKOLOFF TAYLOR & ZAFMAN LLP

COSTA MESA

DOC DATE: 11/16/2001

DOC DATE: 11/16/2001

DOC DATE: 11/16/2001

ASSIGNOR:

✓BIST, ANURAG

DOC DATE: 11/16/2001

ASSIGNEE:

INTEL CORPORATION 2200 MISSION COLLEGE BOULEVARD SANTA CLARA, CALIFORNIA 95052-8119 RECEIVED

MAR 11 2002

ENTERED

B.S.T.Z. DATABASE DEPT. Tie

MAR 0 4 2002 STATUS DB-LA



012411/0071 PAGE 2

SERIAL NUMBER: 09938699

PATENT NUMBER:

FILING DATE: 08/23/2001

ISSUE DATE:

KIMBERLY WHITE, EXAMINER ASSIGNMENT DIVISION OFFICE OF PUBLIC RECORDS

01-04-2002



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

OMD No. 0651-0011 (exp. 4/94) 10193	Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks.	Please record the attached original documents or copy thereof.
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):
Raghavendra S. Prabhu; Adam Strauss; Stan Hsie Zhen Zhu; Anurag Bist	h; Name: Intel Corporation
Additional name(s) of conveying party(ies) attached?  No Yes  Nature of Conveyance:	Internal Address:  Street Address: 2200 Mission College Boulevard
	City: Santa Clars State: CA ZIP: 95052-  Country: USA State: CA ZIP: 95052-
Execution Date: 11/16/01	Additional name(s)& address(es) attached?   No Services
4. Application number(s) or patent number(s): If this document is being filed together with a new applic  A. Patent Application No.(s)  09/938,699	B. Patent No.(s)
Additional n	umbers attached?
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total Fee (37 CFR 3.41)\$ 40.00
Internal Address:	<ul> <li>⊠ Enclosed</li> <li>⊠ Authorized to be charged to deposit account</li> </ul>
Street Address: 12400 Wilshire Boulevard 7th Floor	
/til Floor	8. Deposit Account Number:
City: Los Angeles State: CA ZIP: 90	
DO NO	(Attach duplicate copy of this page if paying by deposit account)  T USE THIS SPACE
50 110	1 GGE THIS STAGE
Statement and signature.     To the best of my knowledge and belief, the foregoing is true	e and correct and any attached copy is a true copy of the original document
2 TDIAZ1 00000027 09938699 40.00 DP	
Eric T. King  Name of Person Signing	November 27, 2001 Signature Date
	er sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:
Assistant Commissioner of Patents, Box Assignments
Washington, D.C. 20231

Attorney's Docket No.: 42390P12533

## ASSIGNMENT (For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Raghavendra S. Prabhu; Adam Strauss; Stan Hsieh; Zhen Zhu; Anurag Bist

hereby sell, assign, and transfer to:

#### **Intel Corporation**

a Corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California 95052-8119 ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent entitled was filed 8/23/01, and assigned Application No. 09/938,699 and is entitled:

## TONE DETECTION FOR INTEGRATED TELECOMMUNICATIONS PROCESSING

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each inventor: Please also list the date that you signed the accompanying DECLARATION & POWER OF ATTORNEY

Each Inventor: Please Sign	n and Date Below:	& POWER OF ATTORNEY
11-16-01	My de Mil	11/16/01
Date	Name: Raghavendra S. Prabhu	Date
11-16-01	adam Athan	11/16/01
Date	Name: Adam Strauss	Date
11-16-01	- Start	11/16/01
Date	Name: Stan Hsieh	Date
11-[6-0] Date	- Room	11/16/01
	Name: Ziren Ziren	Date
11-16-01	- Amrzy (Sist	11/16/01
Date	Name: Anurag Bist	Date
Date	Name:	Date
		·
Date	Name:	Date
		·
Date	Name:	Date
Date	Name:	Date
Date	Name:	Date
Date	Name:	Date
		1

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
Telephone: (714) 557-3800

PTO/SB/21 (12/97)

Approved for use through 9/30/2000. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL F	Application No.	09/9	38,699		
	- ·	Filing Date	Augi	August 23, 2001	
(to be used for all correspondence aft	er initial filing)	First Named Inventor	Ragi	navendra S. Prabhu	
		Group Art Unit	2643		
		Examiner Name	er Name Unassigned		
Total Number of Pages in This Submiss	ion 6	Attorney Docket Numb	er 4239	OP12533	
ENCLO	SURES (checi	k all that apply)			
Fee Transmittal Form	Assignment Papers (for an Application)			After Allowance Communication to Group	
Fee Attached	Drawing(s)			Appeal Communication to Board of Appeals and Interferences	
Amendment / Response	Licensing-re	elated Papers		Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)	
After Final Affidavits/declaration(s)	Petition Rot and Accom	uting Slip (PTO/SB/69) panying Petition		Proprietary Information	
Extension of Time Request	To Convert a Provisional Application			Status Letter	
Express Abandonment Request	Power of Attorney, Revocation Change of Correspondence Address			Additional Enclosure(s) (please identify below):	
Information Disclosure Statement	Terminal Disclaimer				
Certified Copy of Priority Document(s)	Small Entity Statement				
Response to Missing Parts/ Incomplete Application	Request for Refund				
Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks				
SIGNATURE	OF APPLICAN	T, ATTORNEY, OR A	GENT		
Firm Eric T. King, Re or Individual name BLAKELY, SO	,	AYLOR & ZAFN	AN L	LP	
Signature English					
Date November 27,	2001				
CERTIFIC	CATE OF MAILI	NG/TRANSMISSION			
I hereby certify that this correspondence is be postage in an envelope addressed to: Assista	ing deposited with nt Commissioner fo	the United States Posta or Patents, Washington	Service : D.C. 202	as First Class mail with sufficient 31 on: November 27, 2001	
Typed or printed name Susan McFar	lane			3.0.000	
Signature Susa /	Warlan	,	Date	November 27, 2001	

PTO/SB/17 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

**TOTAL AMOUNT OF PAYMENT** (\$) 40.00

	omplete if Known
Application No.	09/938,699
Filing Date	August 23, 2001
First Named Inventor	Raghavendra S. Prabhu
Examiner Name	Unassigned
Group/Art Unit	2643
Attorney Docket No.	42390P12533

METHOD OF PAYMENT (check one)				FE	EE CALCULA	TION (contin	ued)	
The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	3.	AD	DITION	IAL F	EE		•	
Deposit	Larg	e Entity	/ Sma	ll Ent	iity	:		
Number 02-2666	Fee		Fee	Fe		ee Description		Fee Paid
Account Blakely Sokoloff Toylor & Zoforov LLD	105	,	Code	1*/	-			
Name Diakery, Sokoron, Taylor & Zaiman LLP	127	130 50	205 227	25	5 Surcharge - la 5 Surcharge - la	ite filing fee or ite provisional	oath	
Charge Any Additional Fee(s) Required Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.					cover sheet.		ming ice of	
Applicant claims small entity status.	139 147	130 2,520	139 147	2 520	) Non-English s ) For filing a req	pecification		
See 37 CFR 1.27.	112	-	112	920	*Requesting pu	iblication of SI	R prior to	<b> </b>
2. X Payment Enclosed:	1				Examiner action	on	-	
Check Credit card Money Other	113	1,840*	113	1,840	Requesting put Examiner action	iblication of SI	R after	
	115	110	215	55	Extension for r		t month	<u> </u>
FEE CALCULATION	116	400	216	200	Extension for r	eply within sec	cond month	<del> </del>
BASIC FILING FEE Large Entity Small Entity	117	920	217		Extension for re			
Fee Fee Fee Fee PeeDescription FeePaid	118	1,440	218		Extension for re			
Code (\$) Code (\$)		1,960	228		Extension for re		month	
101 740 201 370 Utility filing fee	119	320	219		Notice of Appe			
106 330 206 165 Design filing fee	120	320	220		Filing a brief in		appeal	
107 510 207 255 Plant filing fee	121	280	221		Request for ora			
108 740 208 370 Reissue filing fee 114 160 214 80 Provisional filing fee	140	1,510			Petition to insti			
		110 1,280	240		Petition to reviv			
SUBTOTAL (1) (\$)	ú	1,280	241 242		Petition to reviv		nal	
2. EXTRA CLAIM FEES Extra Fee from	143	460	242		Utility issue fee Design issue fe			
Claims below	144	620	244		Plant issue fee	5 <b>C</b>		
Total Claims Independent	122	130	122		Petitions to the	Commissione	ar	
Claims X =	123	50	123		Processing fee			
Multiple Dependent	126	180	126		Submission of			
Large Entity Small Entity	581	40	581		Recording each			40.00
Fee Fee Fee Fee Description	1				property (times	number of pro	operties)	40.00
Code (\$) Code (\$) 103 18 203 9 Claims in excess of 20	146	740	246	370	Filing a submiss	sion after final	rejection	
102 84 202 42 Independent claims in excess of 3	149	740	249		(37 CFR § 1.12 For each addition		to be	
104 280 204 140 Multiple Dependent claim, if not paid					examined (37 C	FR § 1.129(b)	)) İ	
109 84 209 42 **Reissue independent claims	179	740	279		Request for Cci			
Over original patent  110 18 210 9 **Reissue claims in excess of 20 and	169	900	169	900	Request for exp	edited examir	nation	
110 18 210 9 **Reissue claims in excess of 20 and over original patent		ee (spe	cifv)		of a design appl	lication		
SUBTOTAL (2) (\$)		ee (spe						
**or number previously paid, if greater, For Reissues, see below	*Reduce	d by Basi	cFilling F	ee Pai	d SI	UBTOTAL (3)	(\$)	40.00
SUBMITTED BY	-		=					
Name (Print/Type) Eric T. King		gistratio mey/Agen		4	4,188	Compl Telephone	ete (if applicat (714) 557-	
Signature To 9			~			Date	11/27/	

WARNING: Information on this form may become public. Credit card information should not

be included on this form. Provide credit card information and authorization on PTO-2039.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PTO/SB/17 (10-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

### **FEE TRANSMITTAL** for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$)

Application No.	09/938,699	
Filing Date	August 23, 2001	
First Named Inventor	Raghavendra S. Prabhu	
Examiner Name	Unassigned	
Group/Art Unit	2643	·
Attorney Docket No.	42300P12533	

Complete if Known

	METHOD OF PAYMENT (check one) FEE CALCULATION (continued)											
1. 🛛	TI in	The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:					3.	ADE	OITIO	IAL F	EE	
Deposi Accour	it			· -· · · ·			Large	Entity	Sma	II Enti	ity	
Numbe				02-266	0		Fee Code	Fee Ato	Fee	Fee		Fee Paid
Deposi Accour		alcalv	. Cale	aloff Taul	or & Zafman	TIP (	105	( <b>\$</b> ) 130	205		Surcharge - late filing fee or oath	
Name	_ <u></u>			Fee(s) Required		ILLP	127	50	227		Surcharge - late provisional filing fee or	
×				6, 1.17, 1.18 and			139	130	139	130	cover sheet. Non-English specification	
				entity status.			147	2,520	147	2,520	For filing a request for ex parte reexamination	
2. 🛛		37 CFR					112	920*	112	920	*Requesting publication of SIR prior to Examiner action	
2. 🔀		-	Enclo Cre	edit card	7 Money	Other	113	1,840*	113	1,840	*Requesting publication of SIR after Examiner action	
					ا Order ∟		115	110	215	55	Extension for reply within first month	
		F	EE C	ALCULATIO	N		116	400	216	200	Extension for reply within second month	
			FEE				117	920	217	460	Extension for reply within third month	
Large En	-		l Entity		-4t		118	1,440	218	720	Extension for reply within fourth month	
	Fœ (\$)	Fee Code	Fee (\$)	Fee Descrip	otion	Fee Paid	128	1,960	228	980	Extension for reply within fifth month	
	740	201	370	Utility filing	ı fee		119	320	219	160	Notice of Appeal	
106 3	330	206	165	Design filir			120	320	220	160	Filing a brief in support of an appeal	
107 5	510	207	255	Plant filing	fee		121	280	221	140	Request for oral hearing	
108 7	740	208	370	Reissue fil	ing fee		138	1,510	138	1,510	Petition to institute a public use proceeding	
114 1	160	214	80	Provisiona	l filing fee		140	110	240	55	Petition to revive - unavoidable	
			SUBT	OTAL (1)	(\$)		141	1,280	241	640	Petition to revive - unintentional	
					147		142	1,280	242	640	Utility issue fee (or reissue)	
2. EX	TRA	CLAIN	/ FEE:	Lwa	Fee from		143	460	243	230	Design issue fee	
Total Clair	me F		**		below		144	620	244	310	Plant issue fee	
Independe			- _ **	. <u> </u>	<b>  </b>  -		122	130	122	130	Petitions to the Commissioner	
Claims	L			X	- FL		123	50	123	50	Processing fee under 37 CFR 1.17(q)	
Multiple D	epen	dent			┖┸┸		126	180	126	180	Submission of Information Disclosure Stmt	
Large Ent	iity iee	Smal Fee	Entity Fee	Fee Description	n		581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
		Code	(\$)				146	740	246		Filing a submission after final rejection	
103 1	18	203	9	Claims in ex	cess of 20				Δ		(37 CFR § 1.129(a))	
	84	202		•	claims in exc		149	740	249	370	For each additional invention to be	
	80	204			endent daim,		179	740	279	370	examined (37 CFR § 1.129(b)) Request for Continued Examination (RCE)	
109 8	84	209	42	**Reissue ind over origin	dependent da al natent	ims	169	900	169		Request for expedited examination	
110 1	18	210	9	•	ai paleili aims in excess	s of 20 and		500			of a design application	
	-	_ · •	-	over origin		. J. 20 and		ee (spec				
			SUBT	OTAL (2)	(\$)			ee (spec				
**	or num			• •	Reissues, see beld	ow o	*Reduce	d by Basio	Fingl	Fee Pai	d SUBTOTAL (3) (\$)	40.00
SUBMI			. , , , ,		, 301				-	-		
											Complete (if applicat	iei lair

40.00

Registration No. Name (Print/Type) Eric T. King (714) 557-3800 44,188 Telephone (Attorney/Agent) Signature 11/27/01 Date

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2039.

01-04-2002



U.S. DEPARTMENT OF COMMERCE

FORM PTO-1595 (Rev. 6-93)	
(Rev. 6-93) OMD No. 0651-0011 (exp. 4/94) 12310	536
To the Honorable Commissioner of Patents and Trademarks. Plea	
1. Name of conveying party(ies): Raghavendra S. Prabhu; Adam Strauss; Stan Hsieh;	2. Name and address of receiving party(ies):
Zhen Zhu; Anurag Bist	Name: Intel Corporation
Additional name(s) of conveying party(ies) attached?	Internal Address:
⊠ No ☐ Yes	Street Address: 2200 Mission College Boulevard
3. Nature of Conveyance:	
	City: Santa Clars State: CA ZIP: 95052-  Country: USA State: CA ZIP: 95052-
Execution Date: 11/16/01	Additional name(s)& address(es) attached?   NoYes
Application number(s) or patent number(s):  If this document is being filed together with a new application	n, the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
09/938,699	
Additional numb	ers attached?
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved.
Name: Blakely, Sokoloff, Taylor & Zafman LLP	7. Total Fee (37 CFR 3.41)\$ 40.00
Internal Address:	<ul> <li>☑ Enclosed</li> <li>☑ Authorized to be charged to deposit account</li> </ul>
Street Address: 12400 Wilshire Boulevard	8. Deposit Account Number:
7th Floor	02-2666
City: Los Angeles State: CA ZIP: 90025	(Attach duplicate copy of this page if paying by deposit account)
DO NOT US	SE THIS SPACE
9. Statement and signature.  To the best of my knowledge and belief, the foregoing is true and	d correct and any attached copy is a true copy of the original document
TDIAZ1 00000027 09938699	
40.00 OP	- 02
Eric T. King	November 27, 2001
Name of Person Signing	Signature Date
Total number of pages including cover sh	neet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to: Assistant Commissioner of Patents, Box Assignments Washington, D.C. 20231

Attorney's Docket No.: 42390P12533

#### **ASSIGNMENT**

(For Execution Prior To Filing Patent Application)

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Raghavendra S. Prabhu; Adam Strauss; Stan Hsieh; Zhen Zhu; Anurag Bist

hereby sell, assign, and transfer to:

#### **Intel Corporation**

a Corporation of Delaware, having a principal place of business at 2200 Mission College Boulevard, Santa Clara, California 95052-8119 ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent entitled was filed 8/23/01, and assigned Application No. 09/938,699 and is entitled:

#### TONE DETECTION FOR INTEGRATED TELECOMMUNICATIONS PROCESSING

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority resulting from the filing of said United States application;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, powers of attorney, and other papers; communicate to said Assignee, its successors, assigns, and representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

42390P12533 Page 1 of 2

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each inventor: Please also list the date that you signed the accompanying DECLARATION & POWER OF ATTORNEY

Each Inventor: Pleas	se Sign and Date Below:
----------------------	-------------------------

11-16-01	My de Mil	11/16/01
Date	Name: Raghavendra S. Prabhu	Date
11-16-01	adam Stram	11/16/01
Date	Name: Adam Stratuss	Date
11-16-01	Sant	11/16/01
Date	Name: Stan Hsieh	Date
11-16-01	Man	11/16/01
Date	Name: Zhen Zhu	Date
11-16-01	Armrey Bist	11/16/01
Date	Name: Anurag Bist	Date
Date	Name:	Date
Dan	Name.	
Date	Name:	Date
Date	Name:	Date

Assignment Document Return Address:
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Blvd., Seventh Floor
Los Angeles, CA 90025-1026
Telephone: (714) 557-3800

09/938,699

PTO/SB/21 (12/97)

Approved for use through 9/30/2000. OMB 0651-0031

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Application No.

IRANSMITTAL F	URIVI	Filing Date	Augu	st 23, 2001
(to be used for all correspondence after	er initial filing)	First Named Inventor	Ragh	avendra S. Prabhu
		Group Art Unit	2643	
		Examiner Name	Unas	signed
Total Number of Pages in This Submissi	on 6	Attorney Docket Numbe	4239	0P12533
ENCLO	SURES (chec	k all that apply)		
Fee Transmittal Form	Assignmen (for an App	t Papers lication)		After Allowance Communication to Group
Fee Attached	Drawing(s)			Appeal Communication to Board of Appeals and Interferences
Amendment / Response	Licensing-r	elated Papers		Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
After Final Affidavits/declaration(s)	Petition Ro	uting Slip (PTO/SB/69) panying Petition		Proprietary Information
Extension of Time Request	To Convert Provisional	a Application		Status Letter
Express Abandonment Request	Power of Al Change of	torney, Revocation Correspondence Address		Additional Enclosure(s) (please identify below):
Information Disclosure Statement	Terminal Di	sclaimer		
Certified Copy of Priority Document(s)	Small Entity	Statement		
Response to Missing Parts/ incomplete Application	Request for	Refund		
Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	J		
SIGNATURE	OF APPLICAN	T, ATTORNEY, OR A	GENT	
Firm Eric T. King, Re	g. No. 44,188			:
	OKOLOFF, T	AYLOR & ZAFM	AN LI	LP
Signature English				
Date November 27,	2001			
CERTIFIC	CATE OF MAILI	NG/TRANSMISSION		
I hereby certify that this correspondence is bei postage in an envelope addressed to: Assista	ng deposited with nt Commissioner f	the United States Postal or Patents, Washington,	Service a D.C. 202	as First Class mail with sufficient 31 on: November 27, 2001
Typed or printed name Susan McFar	lane			
Signature Susa /	Workan		Date	November 27, 2001

## FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

40.00 TOTAL AMOUNT OF PAYMENT

1 0	omplete if Known	
Application No.	09/938,699	
Filing Date	August 23, 2001	
First Named Inventor	Raghavendra S. Prabhu	
Examiner Name	Unassigned	
Group/Art Unit	2643	
Attorney Docket No.	42390P12533	

METHOD OF PAYMENT (check one)	FEE CALCULATION (continued)						
The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:	3. ADDITIONAL FEE						
Deposit Account Number 02-2666	Large Entity Fee Fee	Fee	Fee	•	Description		Fee Paid
Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP	Code (\$) 105 130 127 50	205 227	(\$) 65 25	Surcharge - late Surcharge - late	filing fee or o	ath ing fee or	
Charge Any Additional Fee(s) Required Under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20.	139 130	139		cover sheet. Non-English spe			
Applicant claims small entity status. See 37 CFR 1.27.	147 2,520 112 920*	147 2 112	•	For filing a reque Requesting publ			
2. Payment Enclosed:  Money Other	113 1,840*	113 1	,840*	Examiner action Requesting publ		after	
Check Credit card Order Other	115 110	215		Examiner action Extension for rep		month	
FEE CALCULATION	116 400	216	200	Extension for rep	oly within seco	nd month	
1. BASIC FILING FEE	117 920	217	460	Extension for rep	oly within third	month	
Large Entity Small Entity	118 1,440	218	720	Extension for rep	oly within fourt	h month	
Fee Fee Fee Fee Description Fee Paid	128 1,960	228	980	Extension for rep	oly within fifth	month	
Code (\$) Code (\$)	119 320	219		Notice of Appea			
101 740 201 370 Utility filing fee	120 320	220		Filing a brief in s		appeal	
106 330 206 165 Design filing fee	121 280	221		Request for oral		- <b></b>	
107 510 207 255 Plant filing fee	138 1,510			Petition to institu	_	e proceeding	
108 740 208 370 Reissue filing fee			•			-	<b></b>
114 160 214 80 Provisional filing fee	140 110	240		Petition to revive			ļ
SUBTOTAL (1) (\$)	141 1,280	241		Petition to revive		aı	
333101111(1)	142 1,280	242		Utility issue fee (	•		
2. EXTRA CLAIM FEES Extra Fee from	143 460	243		Design issue fee	•		
** Claims below	144 620	244	310	Plant issue fee			
Total Claims Independent Claims X X X X X X X X X X X X X X X X X X X	122 130 123 50	122 123		Petitions to the O Processing fee u			
Multiple Dependent =	126 180	126	180	Submission of Ir	formation Dis	closure Stmt	
Large Entity Small Entity	581 40	581		Recording each property (times r			40.00
Fee Fee Fee Fee Fee Description  Code (\$) Code (\$)	146 740	246	370	Filing a submissi (37 CFR § 1.129	ion after final		
103 18 203 9 Claims in excess of 20	149 740	249		For each addition		to be	
102 84 202 42 Independent claims in excess of 3	' '	<b>~</b> →∨		examined (37 CF			
104 280 204 140 Multiple Dependent claim, if not paid	179 740	279		Request for Con		-	
109 84 209 42 **Reissue independent claims over original patent	169 900	169		Request for expe of a design appli		ation	
110 18 210 9 **Reissue claims in excess of 20 and over original patent	Other fee (spe	• •					
SUBTOTAL (2) (\$)	Other fee (spe				IDTOTAL (C)	<u>(6)</u>	40.00
**or number previously paid, if greater, For Reissues, see below	*Reduced by Bas	yr	cc rail	SU	IBTOTAL (3)	(\$)	40.00
SUBMITTED BY					Compl	ete (if applica	ble)
	Registration			4 100	Telephone	(714) 557	
Name (Print/Type) Eric T. King	(Attorney/Age		44	4,188	ганарнопе	(/14) 33/	-2000
Signature 7					Date	11/27	/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2039.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## FEE TRANSMITTAL for FY 2000

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 40.00

Complete if Known					
Application No.	09/938,699				
Filing Date	August 23, 2001				
First Named Inventor	Raghavendra S. Prabhu				
Examiner Name	Unassigned				
Group/Art Unit	2643				
Attorney Docket No.	42390P12533				

METHOD OF PAYM	MENT (check one)	FEE CALCULATION (continued)							
	nereby authorized to charge lit any overpayments to:	3. ADDITIONAL FEE							
Deposit Account 02	2-2666	Large Fee	Entity	Smal Fee	li Entif Fee	•	Description		Fee Paid
Number	2000	Code	(\$)	Code	_				1001000
Deposit Account Blakely, Sokoloff,	Taylor & Zafman LLP	105	130	205		Surcharge - late			
Name		127	50	227	25	Surcharge - late cover sheet.	provisional III	ing tee or	
Under 37 CFR §§ 1.16, 1.17,	1.18 and 1.20.	139	130	139		Non-English spe		covernination	
Applicant claims small entity status. See 37 CFR 1.27.		112	2,520 920*	112		For filing a reque *Requesting pub			
2. Payment Enclosed:		1				Examiner action	1		·
Check Credit car	rd Money Other	113	1,840*	113	1,840	Requesting pub Examiner action		atter	
Z Cireck Creak sa	Order D 5	115	110	215		Extension for re			
FEE CALCU	LATION	116	400	216		Extension for rep			
1. BASIC FILING FEE		117	920	217		Extension for rep			
Large Entity Small Entity		118	1,440	218		Extension for rep			
	Description Fee Paid	128	1,960	228	980	Extension for rep	ply within fifth	month	
Code (\$) Code (\$) 101 740 201 370 Utili	ity filing fee	119	320	219	160	Notice of Appea	ıl .		
	sign filing fee	120	320	220		Filing a brief in		appeal	
	nt filing fee	121	280	221		Request for oral	-		
	ssue filing fee	138	1,510	138	1,510	Petition to institu	ute a public us	e proceeding	
	visional filing fee	140	110	240	55	Petition to revive	e - unavoidabl	е	
SUBTOTAL	. (1)	141	1,280	241	640	Petition to revive	e - unintention	al	
SUBTOTAL	(1)	142	1,280	242		Utility issue fee	•		
2. EXTRA CLAIM FEES E	dra Fee from	143	460	243		Design issue fee	е		
**	ims below	144	620	244		Plant issue fee			
Total Claims = =   - =		122	130	122		Petitions to the			
Claims	╼┚┸┈┈┈┞┈┈┈╢	123	50	123		Processing fee u			
Multiple Dependent	: LF L	126	180	126		Submission of I			1000
Large Entity Small Entity		581	40	581	40	Recording each property (times			40.00
	escription	146	740	246	370	Filing a submiss	=	•	
Code (5) Code (5) 103 18 203 9 Claim	ns in excess of 20	'-0	, 70	2-70		(37 CFR § 1.129		•	
	pendent claims in excess of 3	149	740	249		For each additio			
	ole Dependent claim, if not paid	470	** 4 *	070		examined (37 Cl Request for Con			
109 84 209 42 **Reis	ssue independent claims	179	740	279		Request for expe			
III \	er original patent	169	900	169		of a design appli		auOH	
	ssue claims in excess of 20 and er original patent	Other f	ee (spe	cify)					
		Other fee (specify)							
SUBTOTAL		*Reduce	ed by Basi	cF∎ing	Fee Pa	id SI	JBTOTAL (3)	(\$)	40.00
**or number previously paid, if greater, For Relssues, see below					ata /if c==!!	hla)			
SUBMITTED BY		Re	gistratio	n No		<del></del>		ete (if applica	
Name (Print/Type) Eric T. Kin	ng		omey/Ager		4	4,188	Telephone	(714) 557	-3800
Signature 4	OK /						Date	11/27	/01 <b>J</b>

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2039.